

# V.V.VANNIAPERUMAL COLLEGE FOR WOMEN



(Belonging to Virudhunagar Hindu Nadars)  
An Autonomous Institution Affiliated to Madurai Kamaraj University  
*Re-accredited with 'A' Grade (3<sup>rd</sup> cycle) by NAAC*  
**VIRUDHUNAGAR – 626 001 (TAMIL NADU)**



## WORKSHOP/SEMINAR/CONFERENCE

**under**  
**DBT STAR COLLEGE SCHEME**

**Department of Biotechnology,  
Ministry of Science and Technology,  
Government of India, New Delhi**

2021-2022

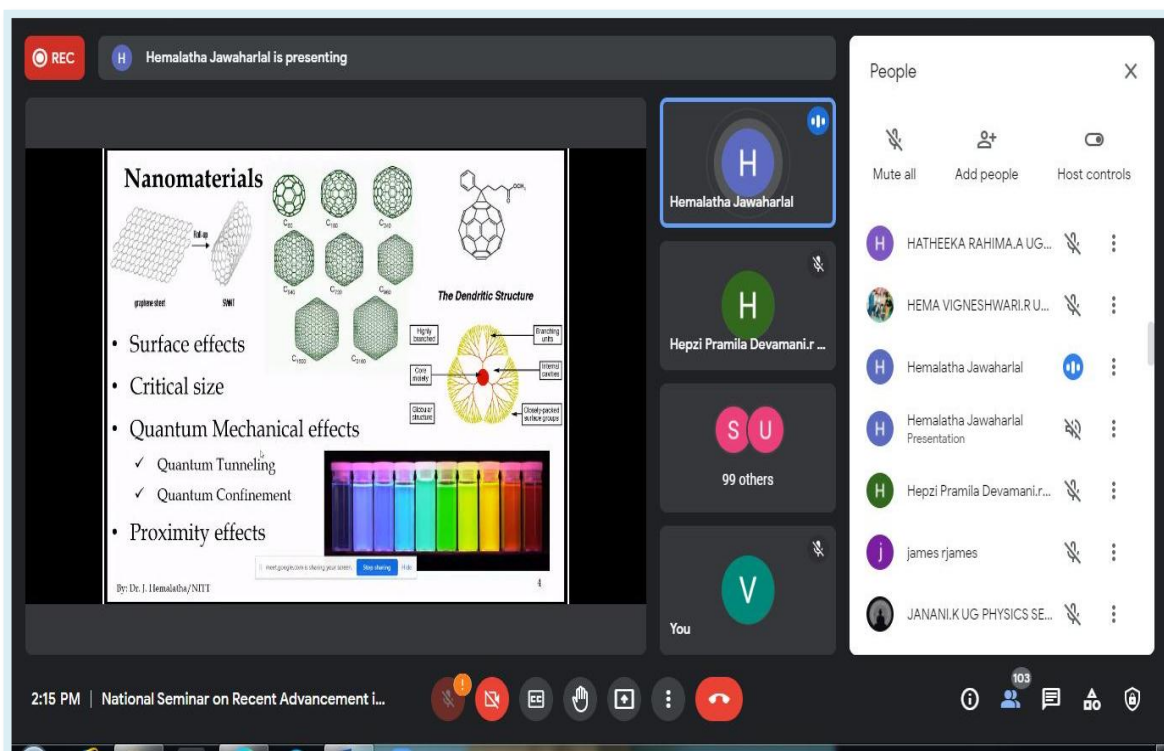
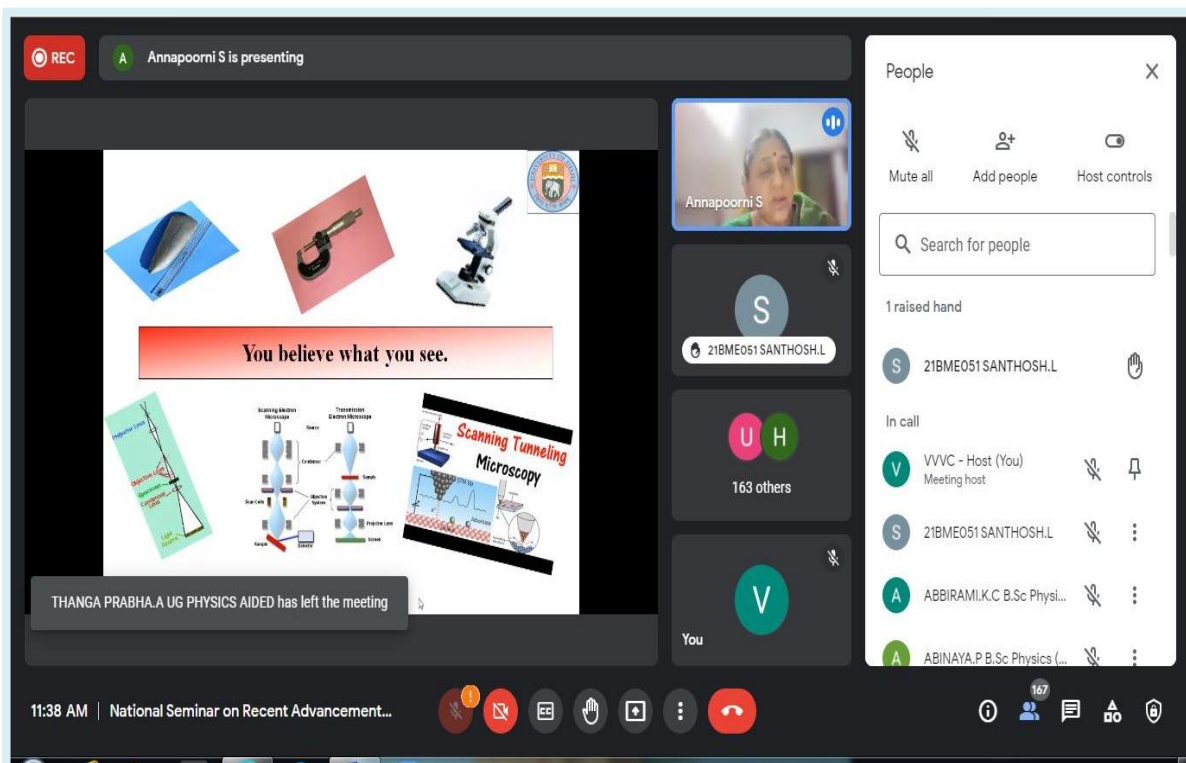
# DEPARTMENT OF PHYSICS



**Regional Seminar on “Recent Advancement in Medical Physics” on  
28.12.2021**



**Workshop on "Instrumentation for Raman and Fluorescence Spectroscopy" on 12.03.2022**



**National Seminar on “Recent Advancements in Material Science” on  
14.03.2022**

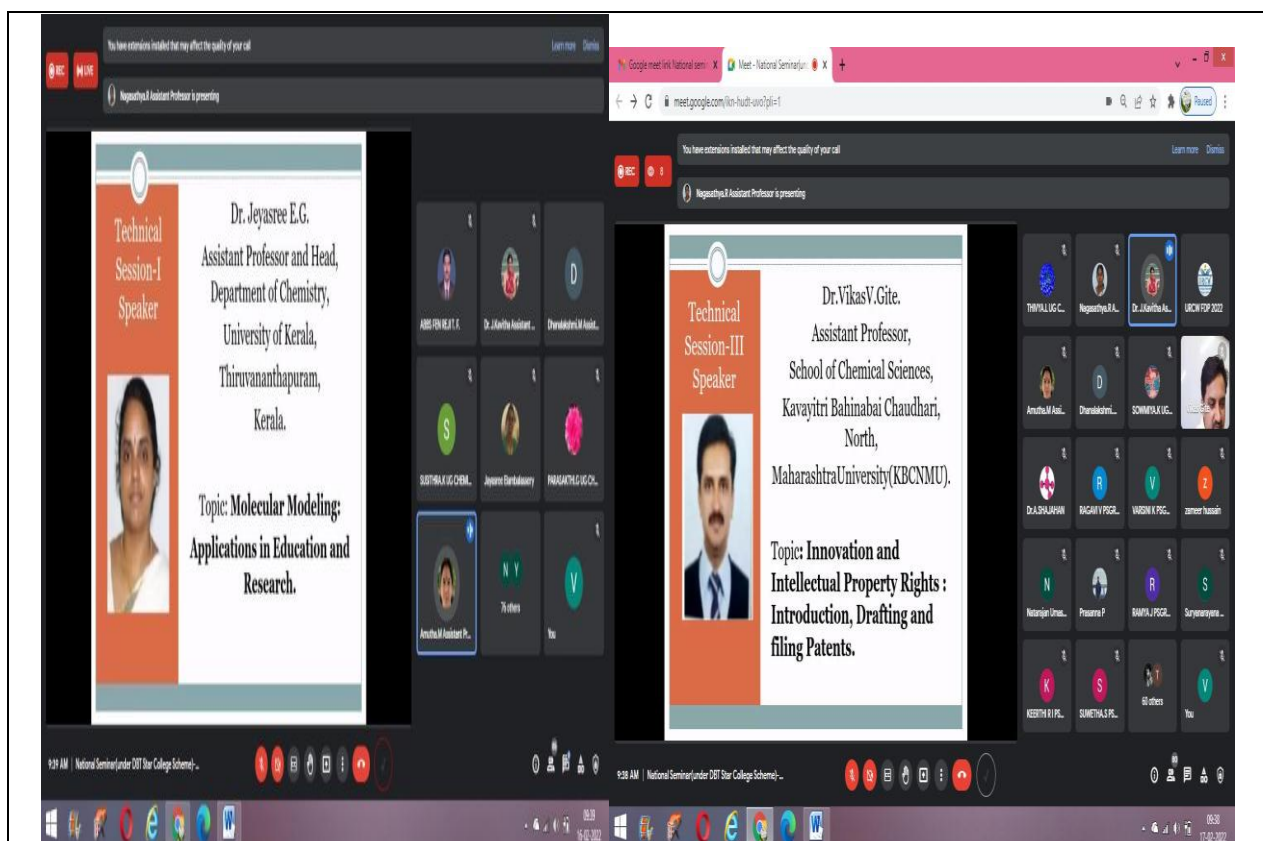
# DEPARTMENT OF CHEMISTRY



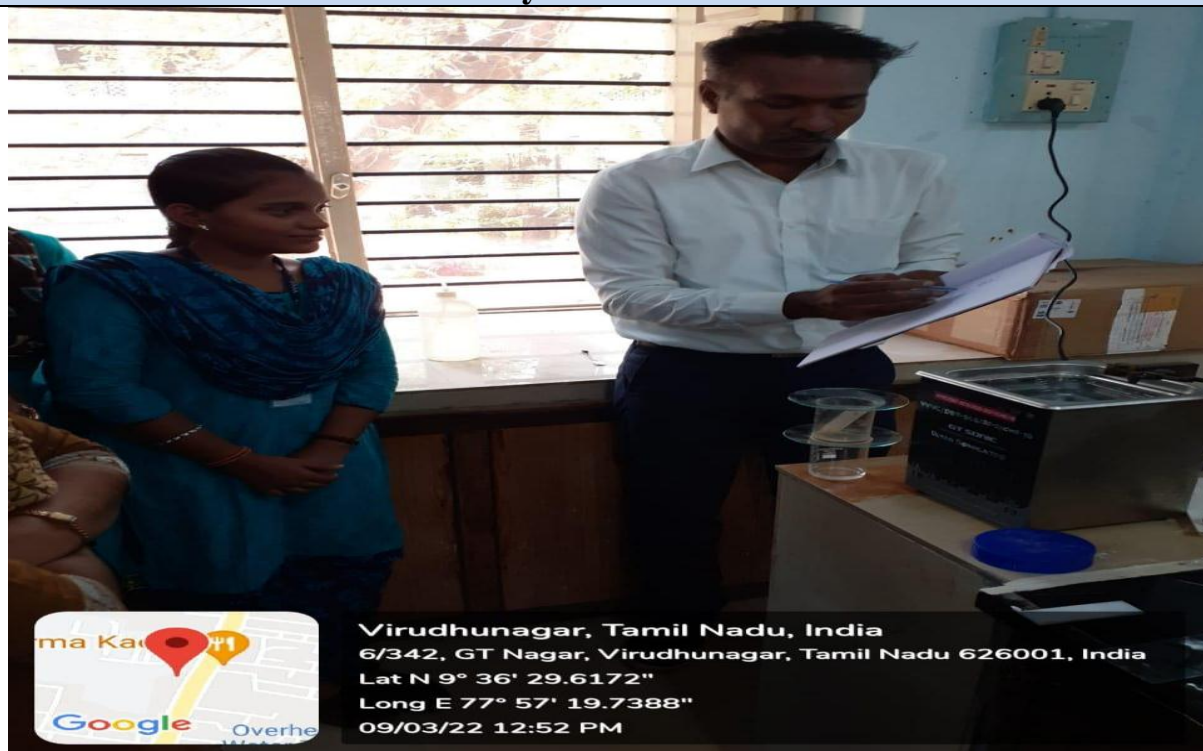
Workshop on “Seasonal Impact on Water Quality” on 17.11.2021



Workshop on “Microwave-Assisted Reactions in Green Chemistry” on  
17.11.2021



## Workshop on “Scientometric Visualization of Computational and Natural Products Chemistry” on 16.02.2022 & 17.02.2022



## Workshop on “Sonochemistry in Green Chemistry” on 09.03.2022



meet.google.com/mbv-roue-mzn?pli=1&authuser=2

REC Dr. Ramasamy Mayilmurugan is presenting

### Limitations of Gd-Based CAs

$Gd^{3+}$  accumulation on brain

Kidney failure

Nephrogenic systemic fibrosis (NSF)

Over exposure of  $Gd^{3+}$

Transmetalation of  $Cu(II)$ ,  $Co(II)$  and  $Zn(II)$  under acidic pH (in kidneys) leads to release of  $[Gd(H_2O)_9]^{3+}$  - highly toxic

Needs an alternative???

Phil. Trans. R. Soc. A, 2017, 375, 0180  
Chem. Commun., 2009, 3497-3510.

10:40 AM | mbv-roue-mzn

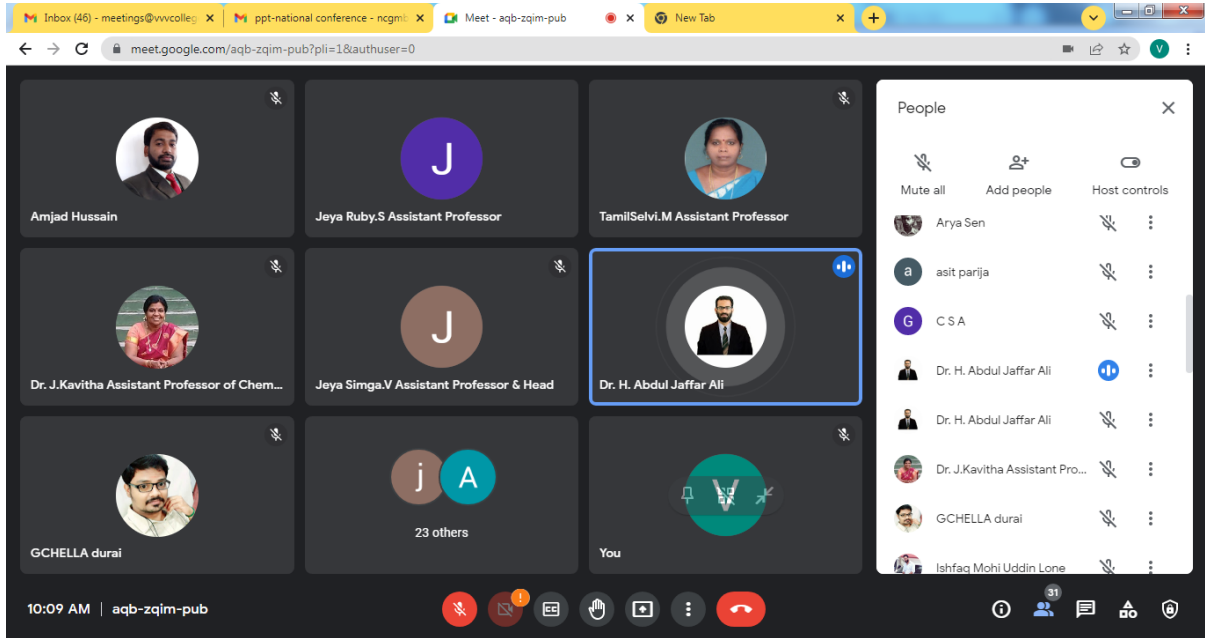
10:40 AM 3/15/2022

## National Seminar on “Boron Chemistry and its Applications on Cancer Treatment” on 15.03.2022



## Workshop on “Semimicro Physical Chemistry Experiments” on 24.03.2021

# DEPARTMENT OF ZOOLOGY



**Two Days National Conference on “Global Marine Biodiversity –Status, Threats and Conservation” on 09.03.2022 & 10.03.2022**

DEPARTMENT OF MATHEMATICS  
&  
COMPUTER SCIENCE

REC Sundareswaran R is presenting

A graph  $G$  is called **well integrated** if  $\mu_1(G) = 0$ .

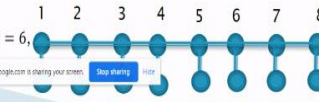
**Proposition:**  
 The Path  $P_n (n \geq 3)$  is well integrated if and only if  $(n+1)$  is a perfect square.

**Corollary :** From the above proposition , we can conclude that all trees are not well integrated.

**Proposition:**  
 The Cycle  $C_n (n \geq 4)$  is well integrated if and only if  $n$  is a perfect square and  $C_5, C_7$ .

**Proposition:**  
 $P_n \circ K_1$  is well integrated only when  $3 \leq n \leq 7$

For : when  $n \geq 8, I(P_n \circ K_1) = 6,$



3:15 PM | ydw-resz-npf

Activate Windows  
Go to Settings to activate Windows.

Type here to search

32°C Light rain

ENG 3:15 PM  
US 2/11/2022

REC Deepa Di is presenting

To check (1) condition  
 i.e. balancing of the sigraph, we will partition vertex set  $V(S)$  into two subsets  $V_1$  and  $V_2$  (one of them possibly empty) such that every negative edge of  $S$  joins a vertex of  $V_1$  with one of  $V_2$  while no positive edge does so. We start with the first vertex say  $i=1$ . Initially the first vertex is assigned the Group1. Now we look all edges incident to it. We maintain two groups Group1 and Group2. Group1 contains all the vertices with positive edges and Group2 with negative edge. We look in first row, if  $(i, j) = -1$ , then vertex  $j$  will be assigned to Group2 else if  $(i, j) = 1$  then vertex  $j$  is assigned Group1. Same procedure is repeated for all vertices. If any vertex belong to both the groups then the sigraph is not balanced.

Dr. Deepa Sinha, South Asian University, New

4:27 PM | ydw-resz-npf

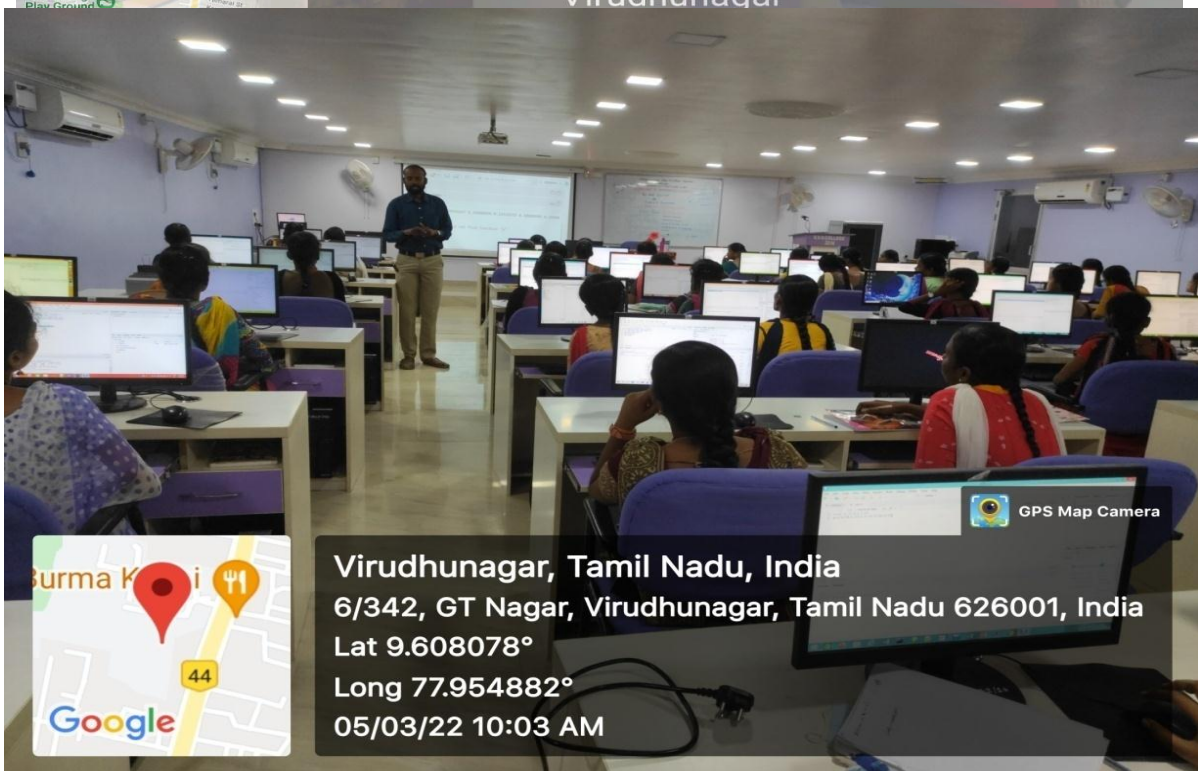
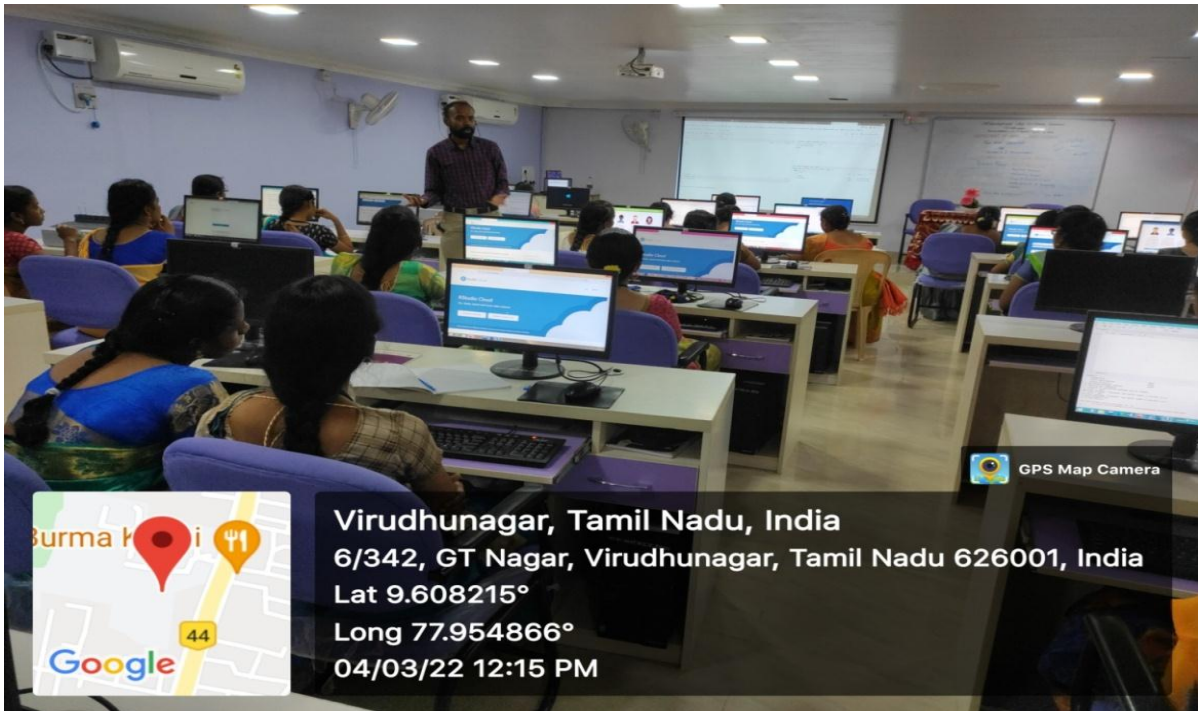
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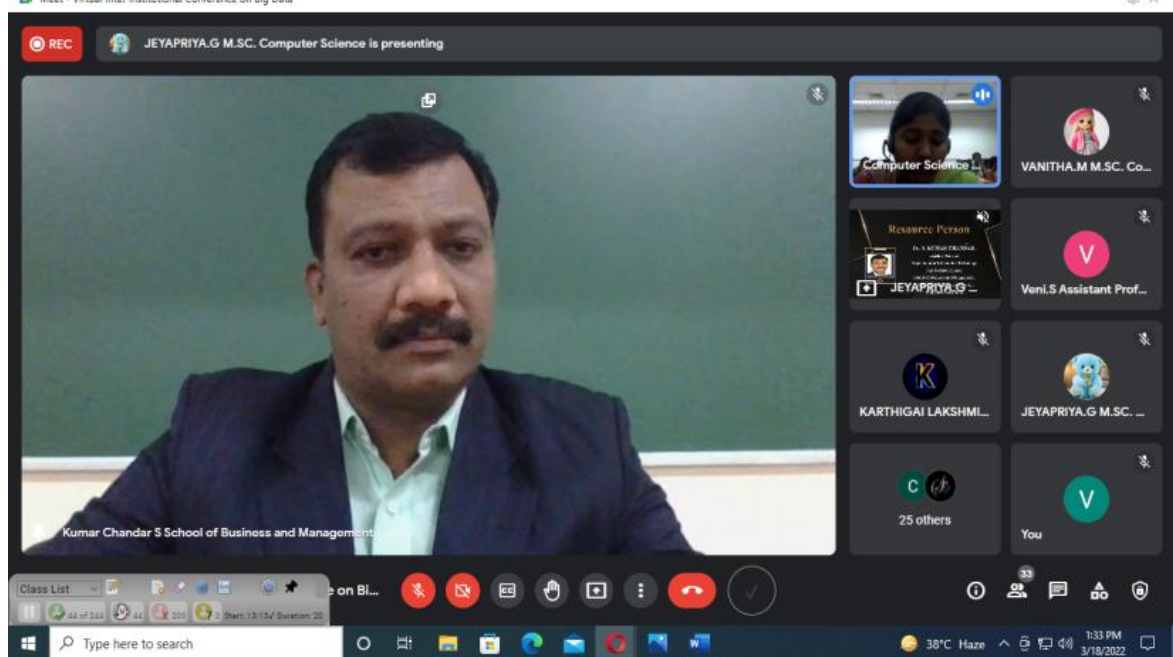
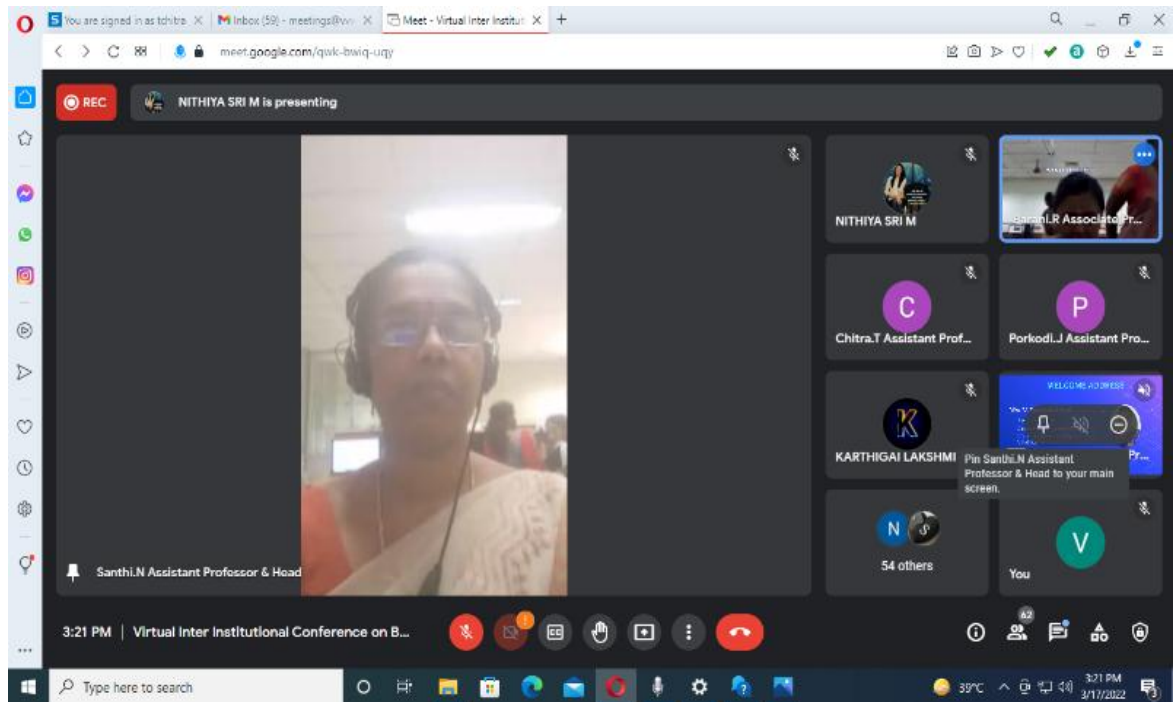
31°C Haze

ENG 4:27 PM  
US 2/11/2022

**National Seminar on “Current Scenario in Graph Theory and its Applications” on 11.02.2022**



**Two Days Workshop on “Scilab& R Programming” on 04.03.2022 &  
05.03.2022**

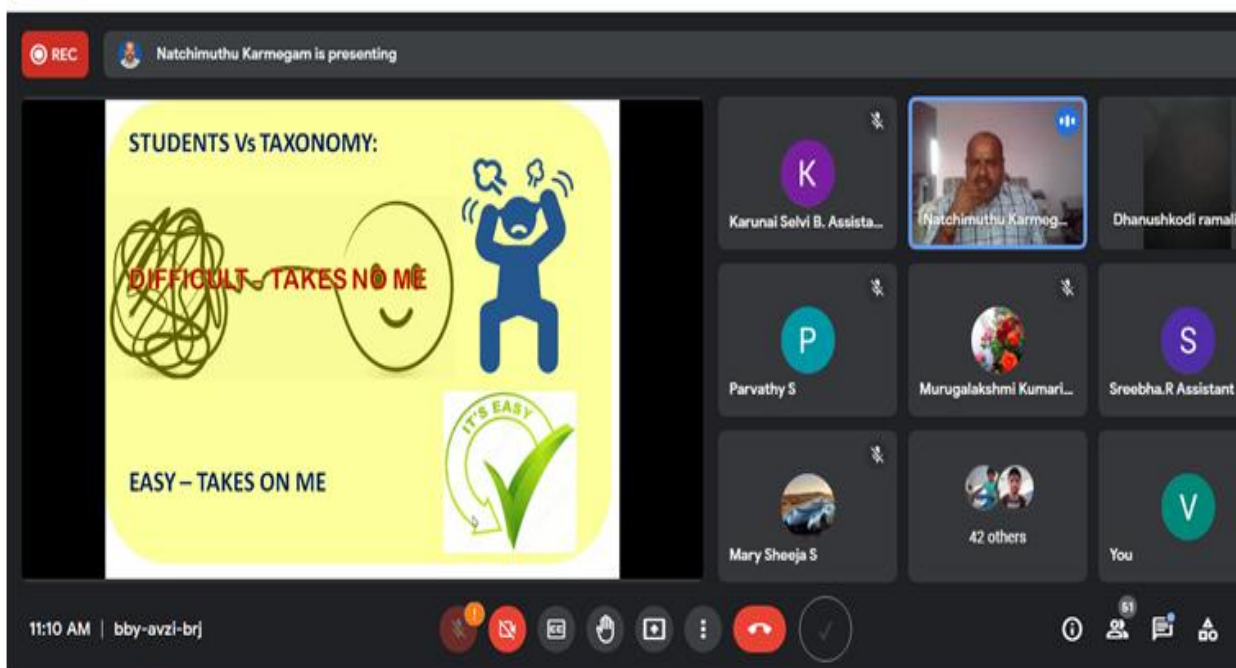
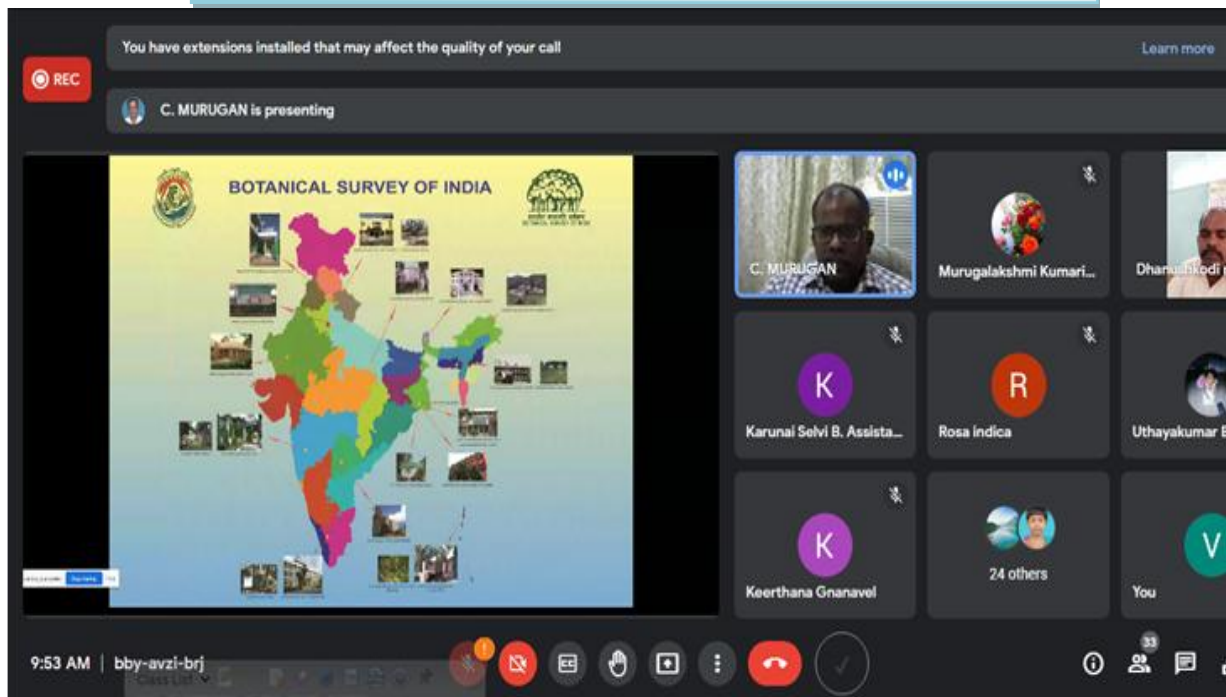


**Inter Institutional Conference on “Big Data” on 17.03.2022 &  
18.03.2022**

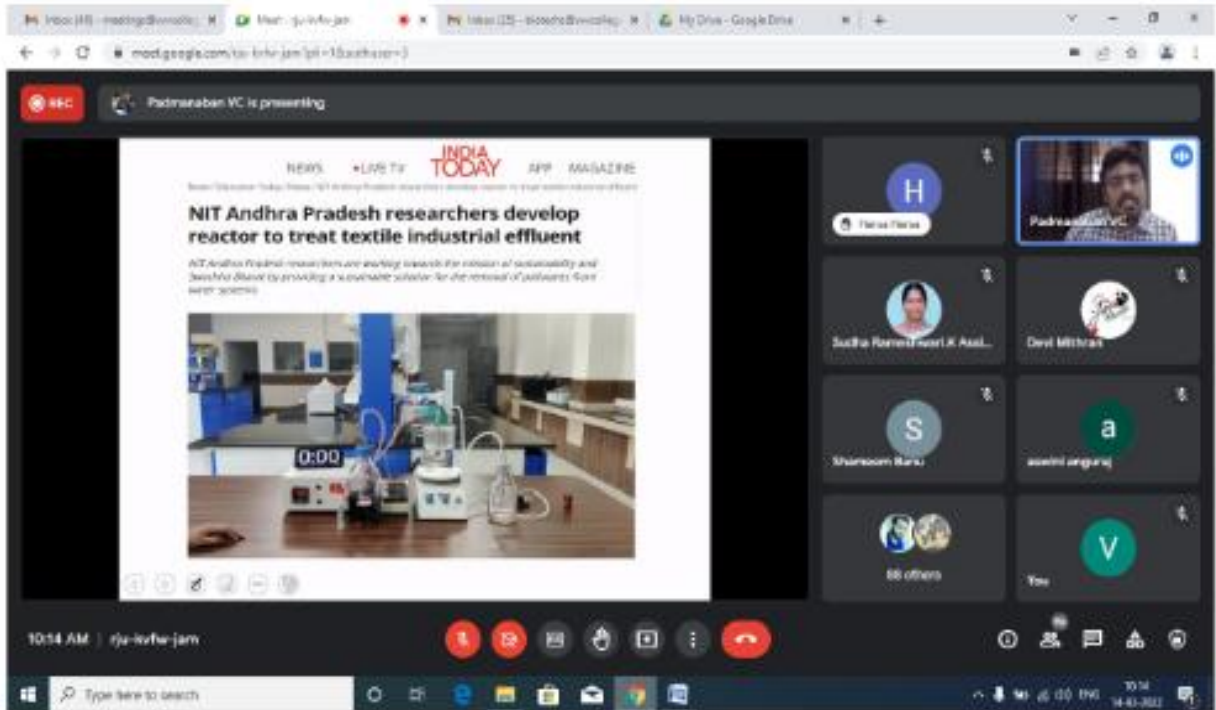
DEPARTMENT OF BOTANY  
&  
BIOTECHNOLOGY



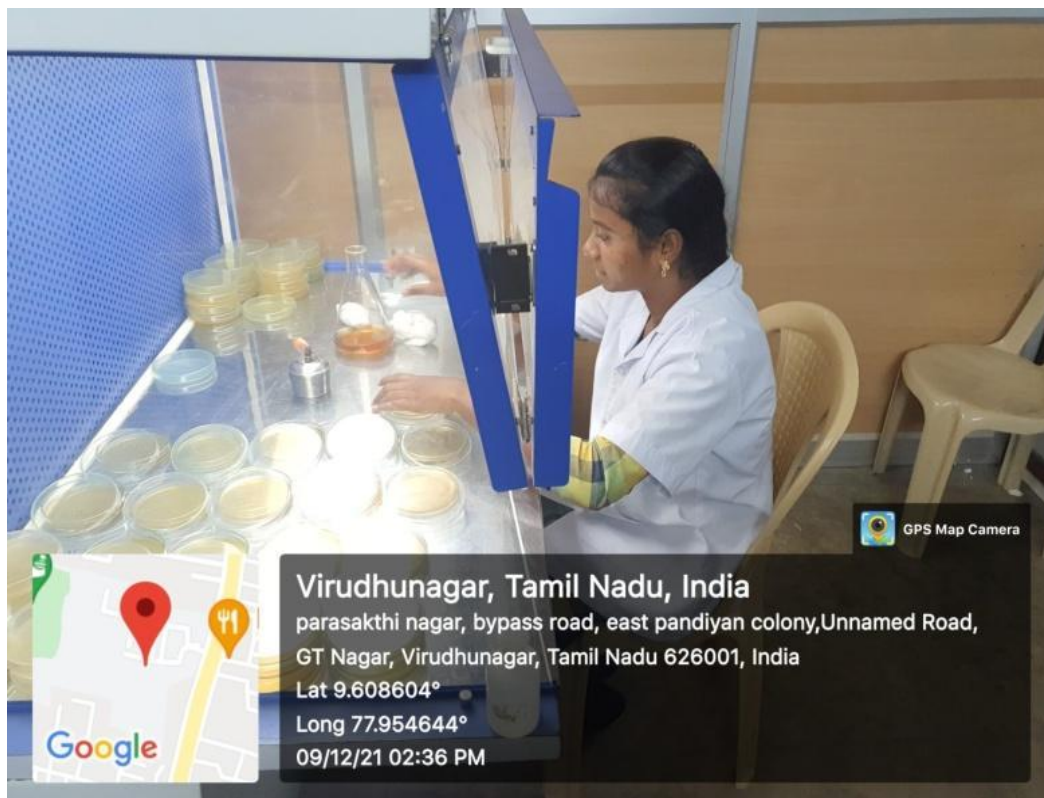
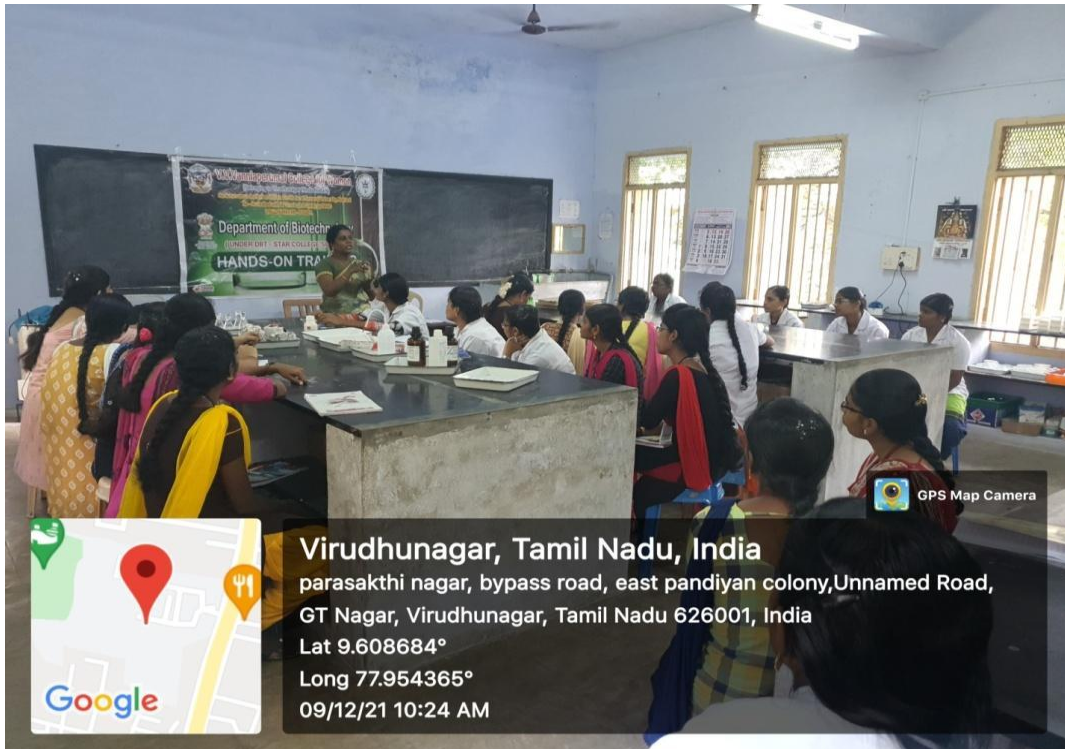
## DEPARTMENT OF BIOTECHNOLOGY



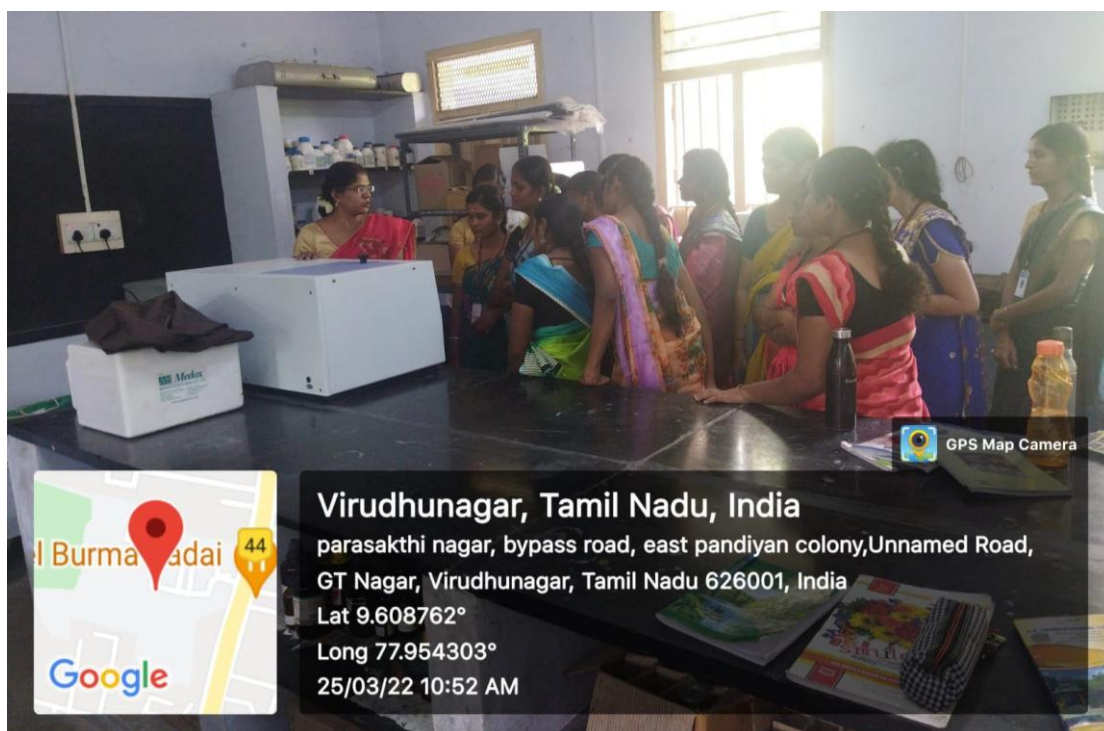
**National Seminar on “Trends in Field Plant Taxonomy and Conservation” on 07.03.2022**



National Seminar on “Thrust Areas in Biotechnology” on 14.03.2022

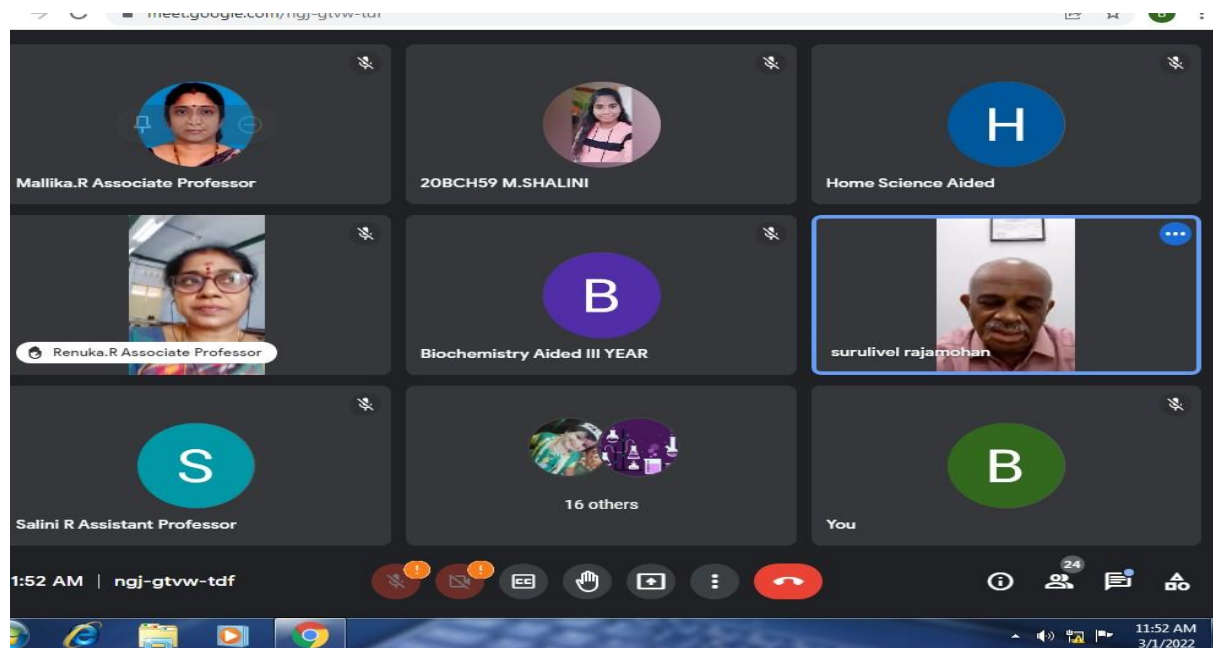


**Workshop on “Immunological Techniques” on 24.03.2022**

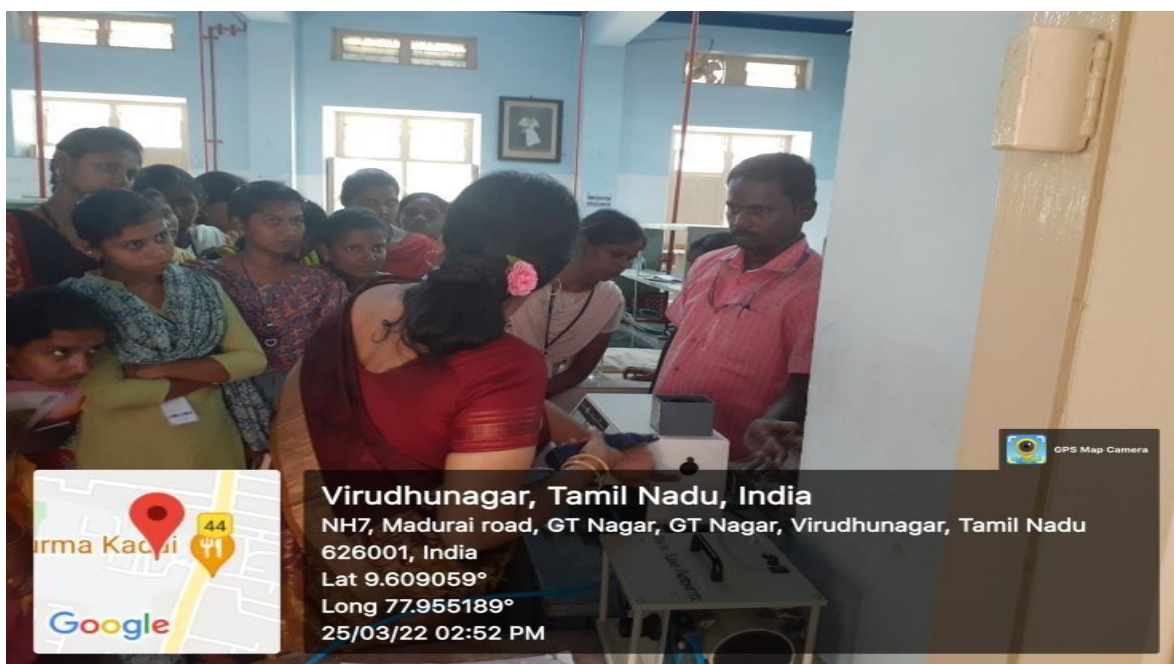


Workshop on “Molecular Techniques” on 25.03.2022

# DEPARTMENT OF BIOCHEMISTRY



**State Level Seminar on “Human Health” on 01.03.2022**



Workshop on “ Flame Photometric Technique” on 25.03.2022

